

Title (en)
NEW ZEOLITE SSZ-31.

Title (de)
ZEOLITH SSZ-31.

Title (fr)
NOUVEAU ZEOLITE SSZ-31.

Publication
EP 0394434 A1 19901031 (EN)

Application
EP 89912717 A 19891017

Priority
• US 8904638 W 19891017
• US 26043988 A 19881020

Abstract (en)
[origin: WO9004567A1] A crystalline zeolite SSZ-31 is prepared using a tricyclodecane quaternary ammonium ion as a template.

Abstract (fr)
A zeolite cristallin SSZ-31 est préparé en utilisant un ion ammonium quaternaire de tricyclodécane en tant que gabarit.

IPC 1-7
B01J 29/04; **B01J 29/28**; **C01B 33/34**; **C01G 17/00**; **C01G 49/00**; **C07C 2/12**; **C07C 4/06**; **C07C 5/41**; **C07C 211/00**; **C07C 211/38**; **C10G 11/05**; **C10G 47/04**; **C10G 47/16**

IPC 8 full level
B01J 29/04 (2006.01); **B01J 29/70** (2006.01); **C01B 37/02** (2006.01); **C01B 39/48** (2006.01); **C07C 4/06** (2006.01); **C07C 211/38** (2006.01); **C07C 211/62** (2006.01); **C10G 11/05** (2006.01); **C10G 35/095** (2006.01); **C10G 47/16** (2006.01)

CPC (source: EP)
B01J 29/04 (2013.01); **B01J 29/70** (2013.01); **C01B 33/185** (2013.01); **C01B 39/48** (2013.01); **C07C 4/06** (2013.01); **C07C 211/38** (2013.01); **C07C 211/62** (2013.01); **C10G 11/05** (2013.01); **C10G 35/095** (2013.01); **C10G 47/16** (2013.01); **B01J 2229/26** (2013.01); **B01J 2229/36** (2013.01); **B01J 2229/42** (2013.01); **C01P 2002/72** (2013.01); **C01P 2002/74** (2013.01); **C07C 2529/70** (2013.01); **C07C 2603/66** (2017.04)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9004567 A1 19900503; AT E153639 T1 19970615; AU 4523989 A 19900514; CA 2001121 A1 19900420; DE 68928078 D1 19970703; DE 68928078 T2 19970911; EP 0394434 A1 19901031; EP 0394434 A4 19921125; EP 0394434 B1 19970528

DOCDB simple family (application)
US 8904638 W 19891017; AT 89912717 T 19891017; AU 4523989 A 19891017; CA 2001121 A 19891020; DE 68928078 T 19891017; EP 89912717 A 19891017